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FIG. 1

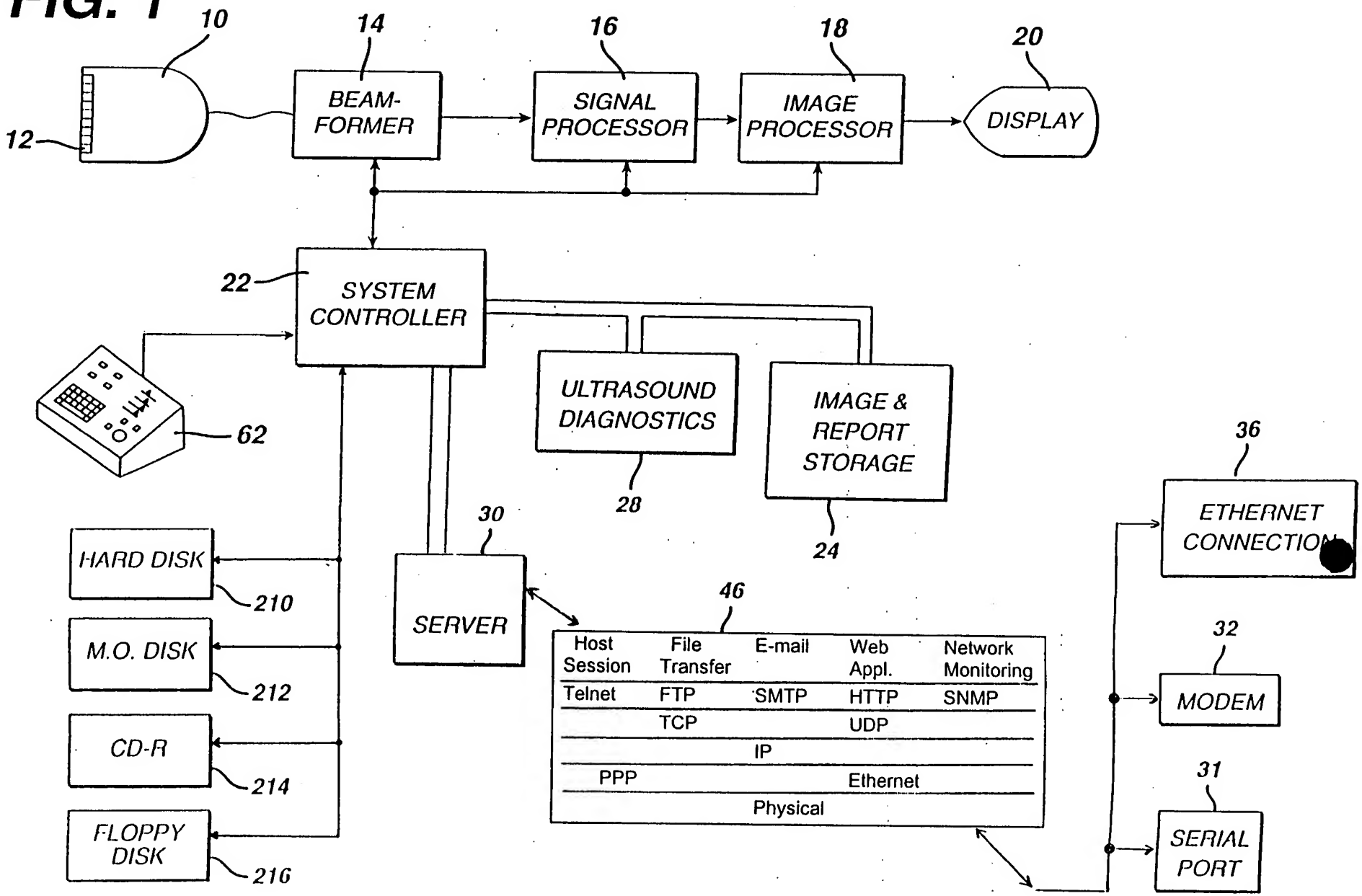
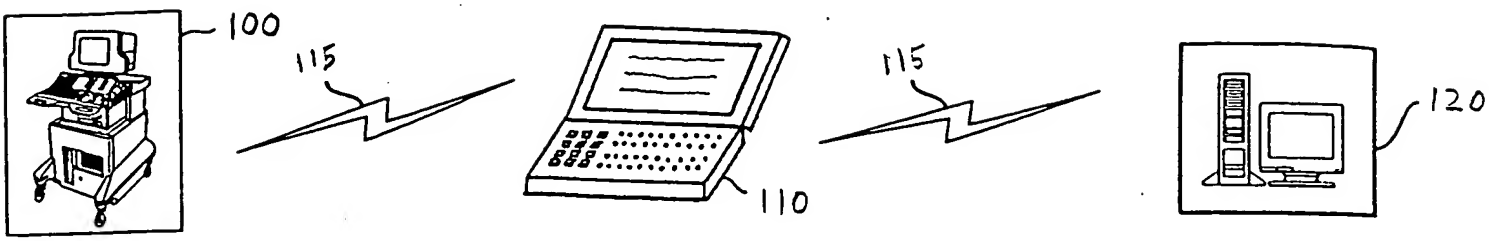

10
12
14
BEAM-FORMER
16
SIGNAL PROCESSOR
18
IMAGE PROCESSOR
20
DISPLAY
22
SYSTEM CONTROLLER
62
ULTRASOUND DIAGNOSTICS
28
IMAGE & REPORT STORAGE
24
30
SERVER
HARD DISK
210
M.O. DISK
212
CD-R
214
FLOPPY DISK
216
46
Host Session
File Transfer
E-mail
Web Appl.
Network Monitoring
Telnet
FTP
SMTP
HTTP
SNMP
TCP
UDP
IP
PPP
Ethernet
Physical
36
ETHERNET CONNECTION
32
MODEM
31
SERIAL PORT

FIG. 2


100
115
115
110
120

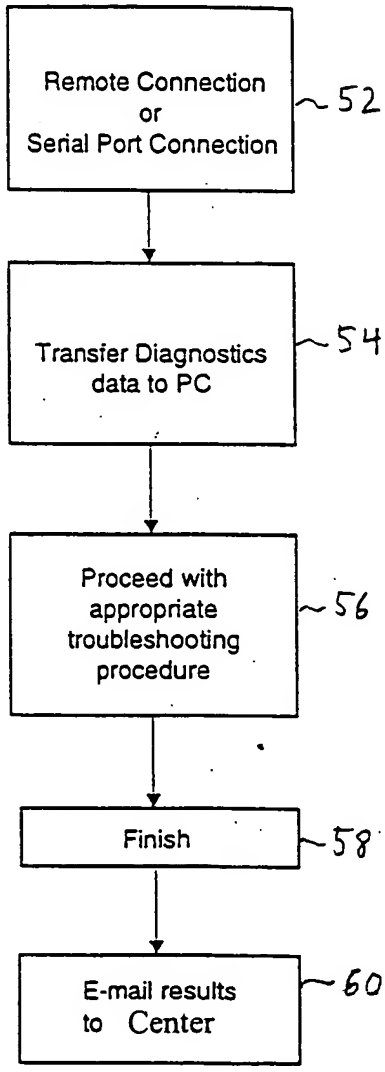

Remote Connection or Serial Port Connection
52
Transfer Diagnostics data to PC
54
Proceed with appropriate troubleshooting procedure
56
Finish
58
E-mail results to Center
60

FIG. 3

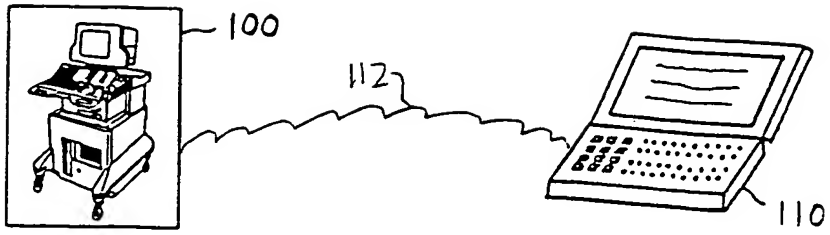


FIG. 2a

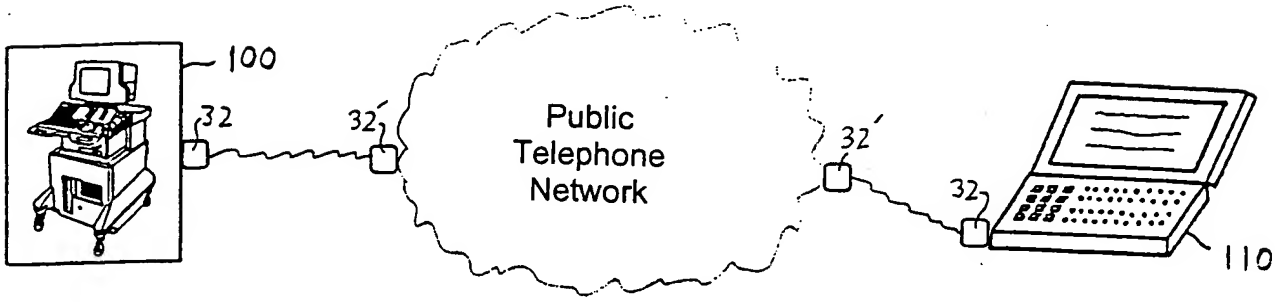


FIG. 2b

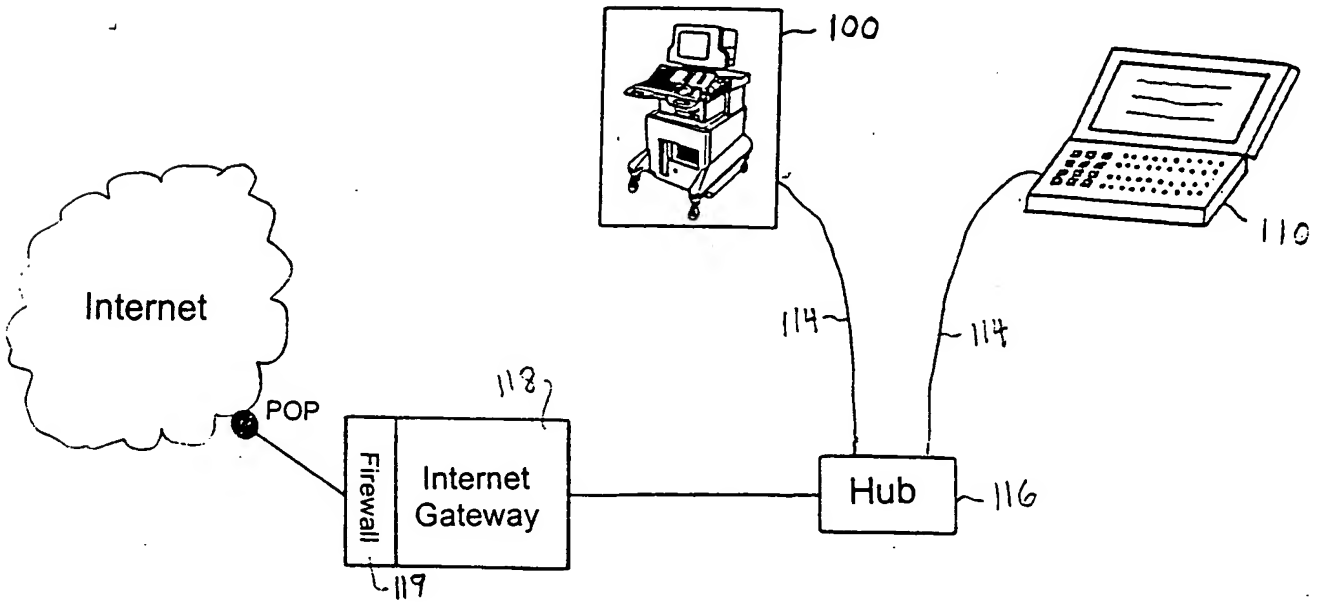


FIG. 2c

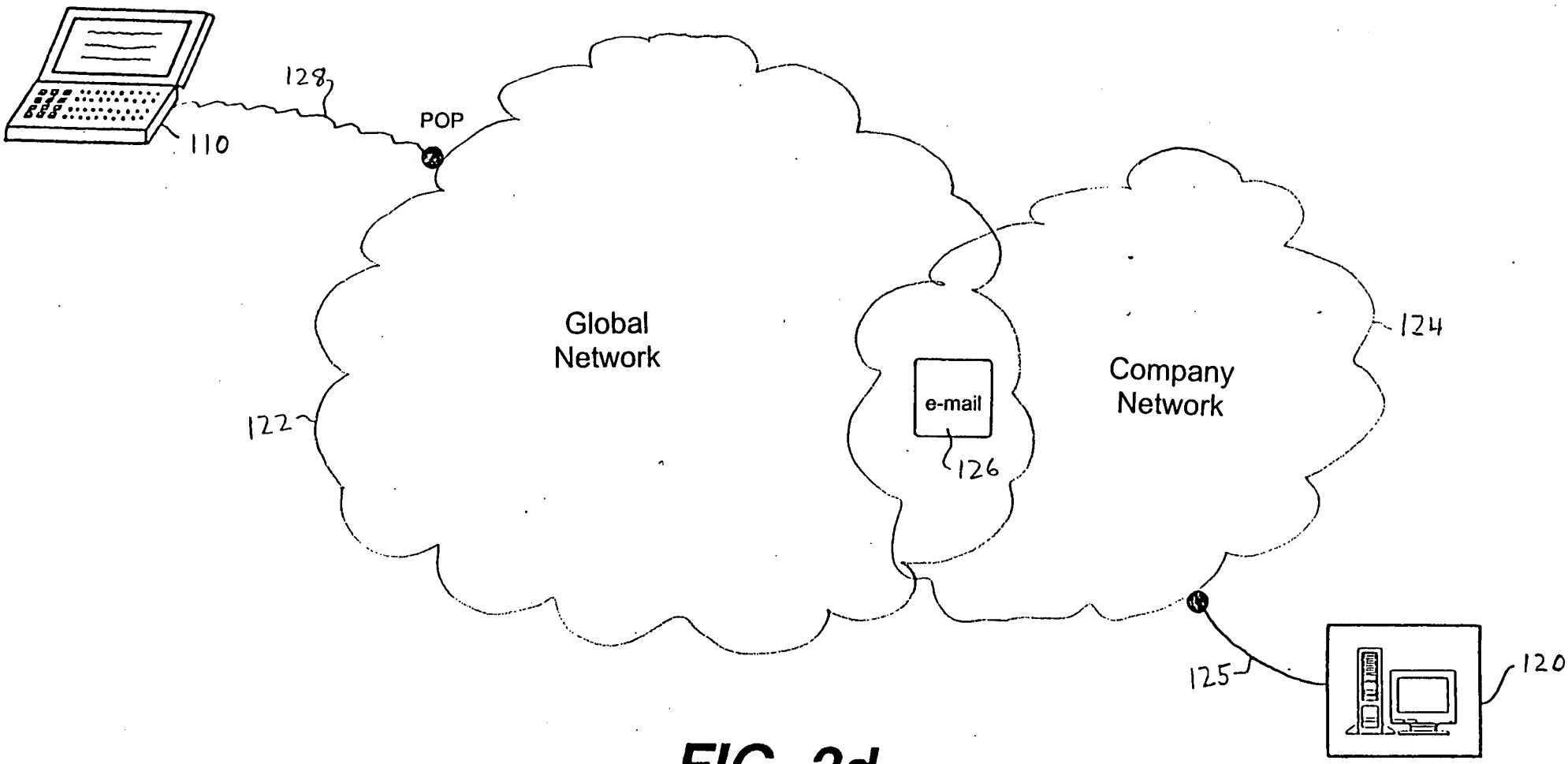

128
POP
110
Global
Network
122
e-mail
126
Company
Network
124
125
120

FIG. 2d

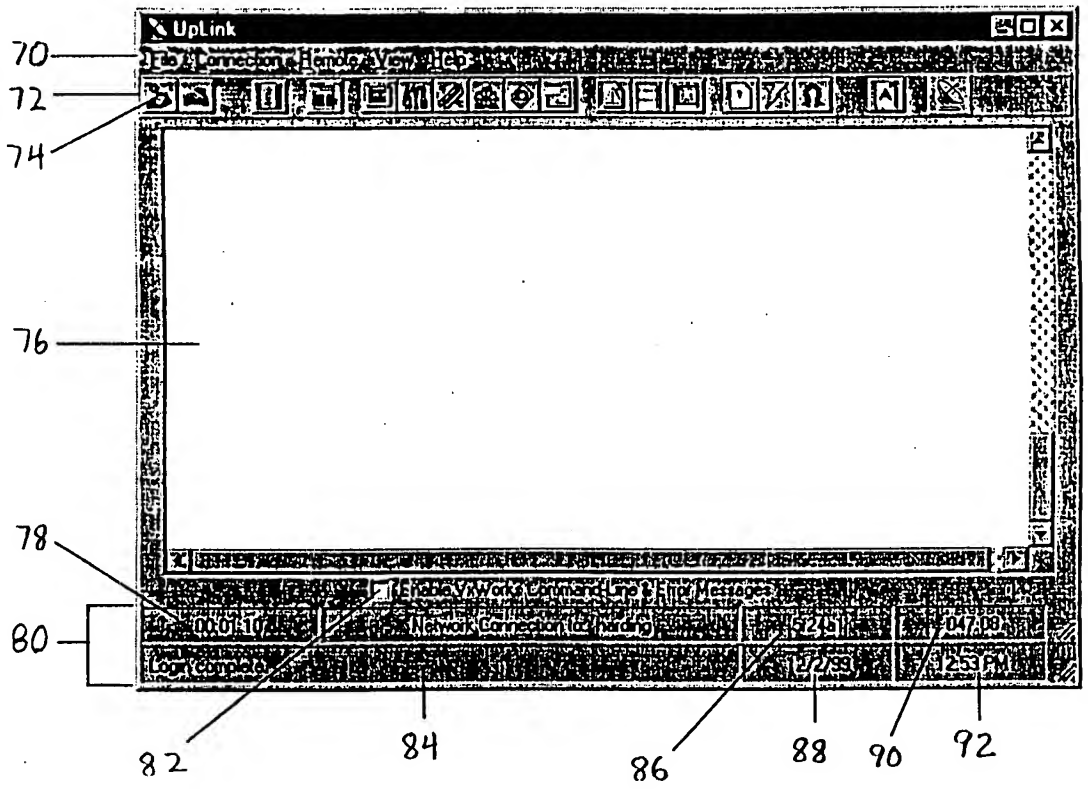

UpLink
70
72
74
76
78
80
82
84
86
88
90
92

FIG. 4

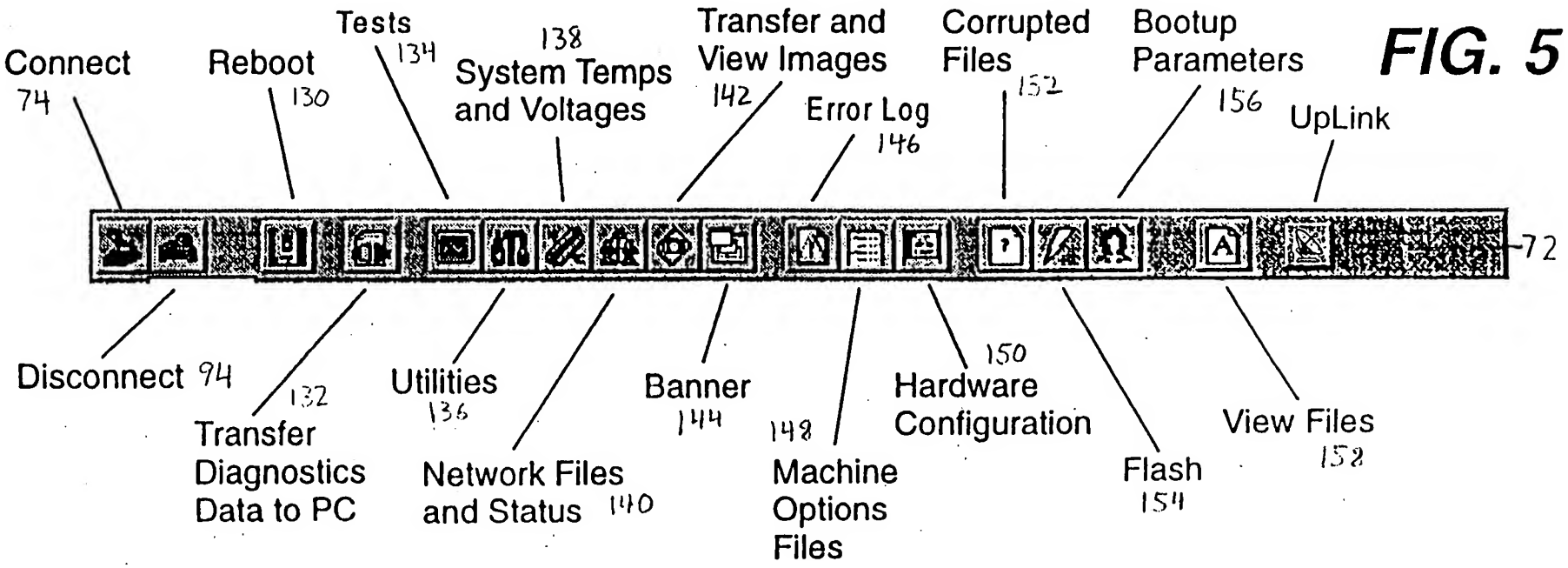

Connect
74
Reboot
130
Tests
134
System Temps
and Voltages
138
Transfer and
View Images
142
Error Log
146
Corrupted
Files
152
Bootup
Parameters
156
UpLink
72
Disconnect 94
Transfer
Diagnostics
Data to PC
132
Utilities
136
Network Files
and Status
140
Banner
144
148
Machine
Options
Files
Hardware
Configuration
150
Flash
154
View Files
158

FIG. 5

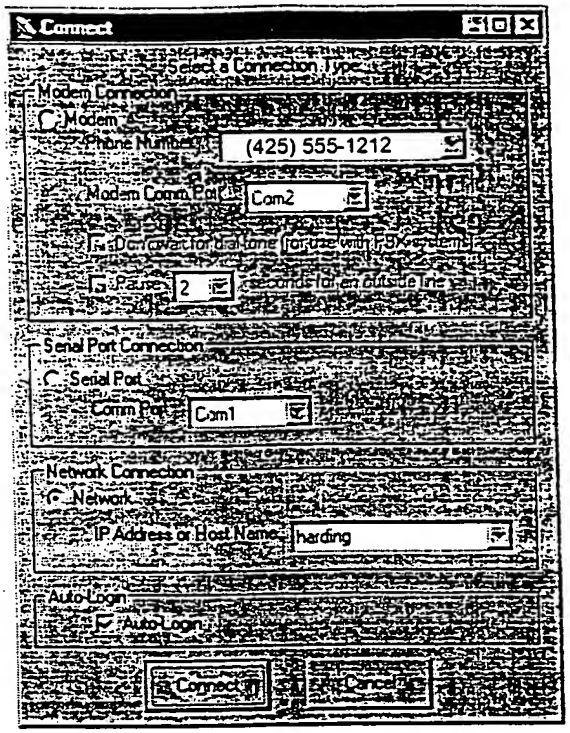


FIG. 6

Remote Diagnostics Mode

This system is being serviced remotely and is unavailable for normal use. Please contact your local service representative before using this system.

FIG. 7

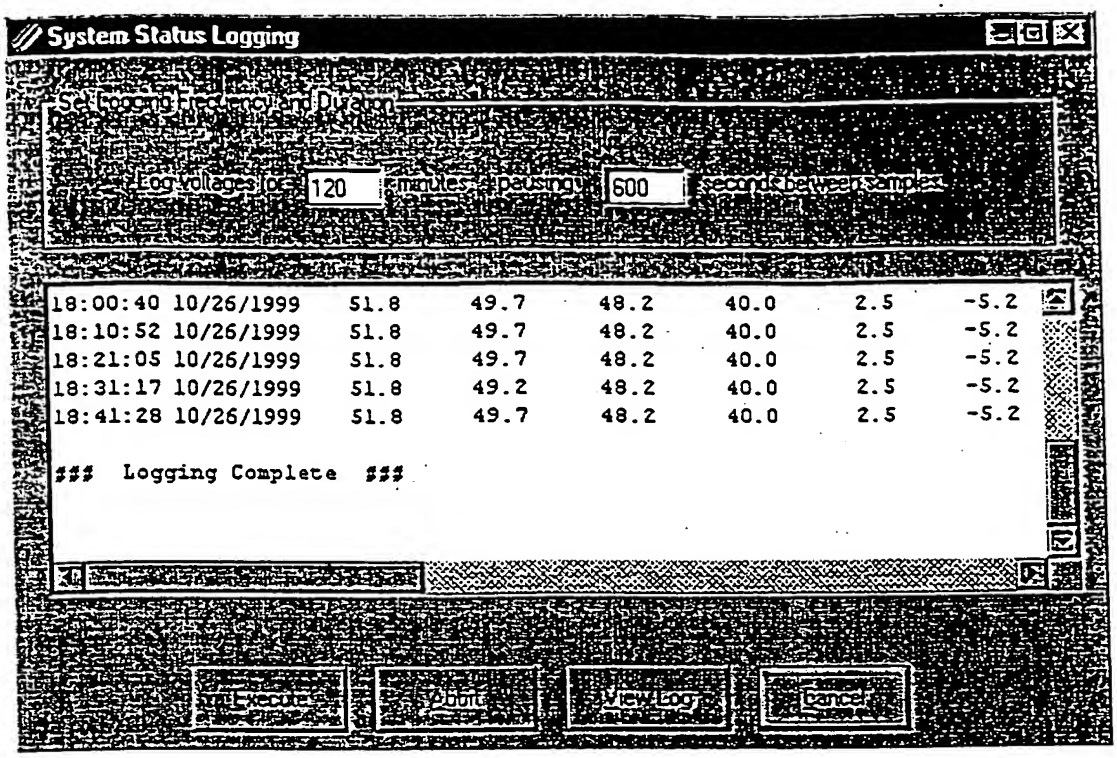

System Status Logging
Set Logging Frequency and Duration
Log voltages for: 120 minutes, pausing: 600 seconds between samples
18:00:40 10/26/1999 51.8 49.7 48.2 40.0 2.5 -5.2
18:10:52 10/26/1999 51.8 49.7 48.2 40.0 2.5 -5.2
18:21:05 10/26/1999 51.8 49.7 48.2 40.0 2.5 -5.2
18:31:17 10/26/1999 51.8 49.2 48.2 40.0 2.5 -5.2
18:41:28 10/26/1999 51.8 49.7 48.2 40.0 2.5 -5.2
Logging Complete
Quit
View Log
Cancel

FIG. 9

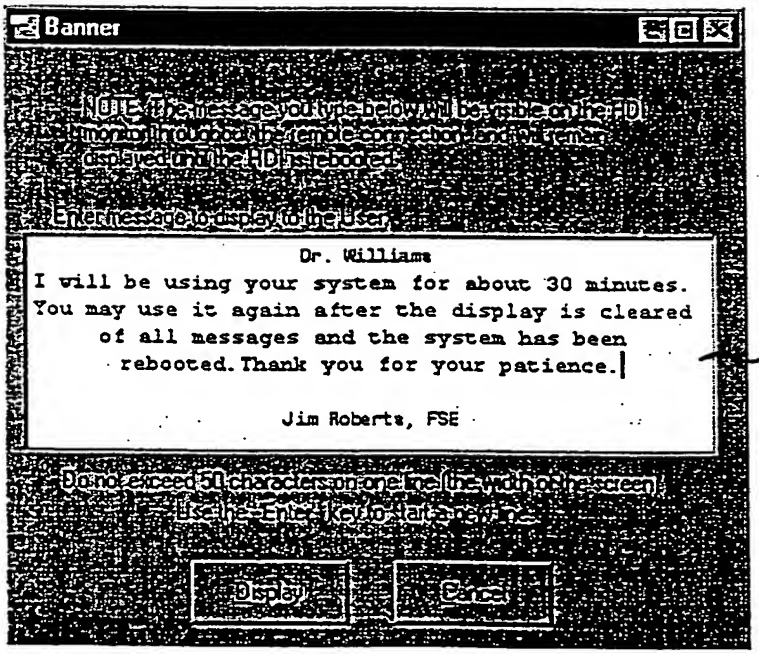

Banner
NOTE: The message you type below will be visible on the HDI
monitor throughout the remote connection and will remain
displayed until the HDI is rebooted.
Enter message to display to the user:
Dr. Williams
I will be using your system for about 30 minutes.
You may use it again after the display is cleared
of all messages and the system has been
rebooted. Thank you for your patience.
Jim Roberts, FSE
Do not exceed 50 characters on one line (the width of the screen).
Use the Enter key to start a new line.
Display
Cancel
220

FIG. 8

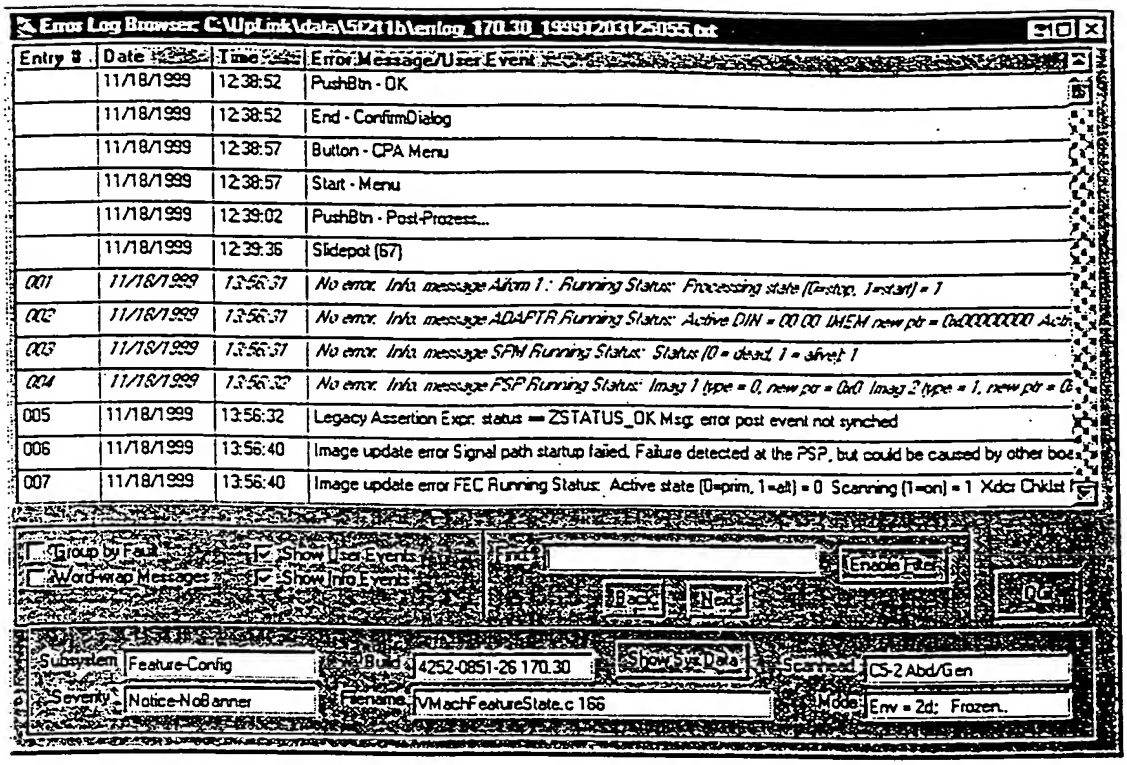

Error Log Browser: C:\WpLink\data\5f211b\errlog_170.30_19991203125055.txt
Entry #
Date
Time
Error Message/User Event
11/18/1999 12:38:52 PushBtn - OK
11/18/1999 12:38:52 End - ConfirmDialog
11/18/1999 12:38:57 Button - CPA Menu
11/18/1999 12:38:57 Start - Menu
11/18/1999 12:39:02 PushBtn - Post-Process...
11/18/1999 12:39:36 Slidepot (67)
001 11/18/1999 13:56:31 No error. Info. message Alarm 1.: Running Status: Processing state (Testop, 1=start) = 1
002 11/18/1999 13:56:31 No error. Info. message ADAPTR Running Status: Active DIN = 00 00 IMEM new ptr = 0x00000000 Acti
003 11/18/1999 13:56:31 No error. Info. message SPM Running Status: Status (0 = dead, 1 = alive): 1
004 11/18/1999 13:56:32 No error. Info. message PSP Running Status: Imag 1 type = 0, new ptr = 0x0 Imag 2 type = 1, new ptr = 0
005 11/18/1999 13:56:32 Legacy Assertion Expr: status == ZSTATUS_OK Msg: error post event not synched
006 11/18/1999 13:56:40 Image update error Signal path startup failed. Failure detected at the PSP, but could be caused by other boa
007 11/18/1999 13:56:40 Image update error FEC Running Status: Active state (0=prim, 1=alt) = 0 Scanning (1=on) = 1 Xdcr Chklst
Group by Fault
Word-wrap Messages
Show User Events
Show Info Events
Find:
Enable Filter
Back
Next
OK
Subsystem
Feature-Config
Build
4252-0851-26 170.30
Show Sys Data
Scanhead
CS-2 Abd/Gen
Severity
Notice-NoBanner
Filename
VMachFeatureState.c 166
Mode
Env = 2d; Frozen..

FIG. 11

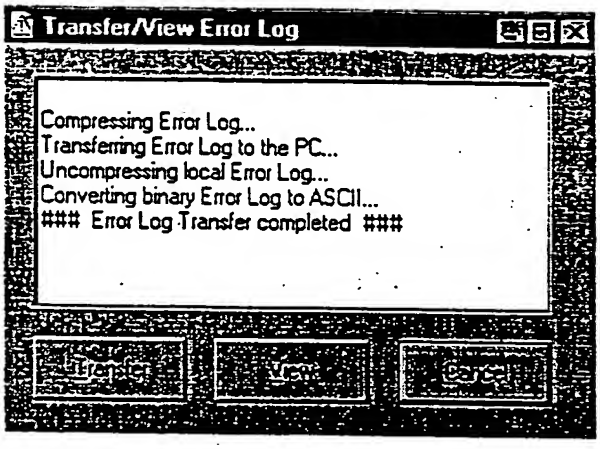

Transfer/View Error Log
Compressing Error Log...
Transferring Error Log to the PC...
Uncompressing local Error Log...
Converting binary Error Log to ASCII...
Error Log Transfer completed
Transfer
View
Cancel

FIG. 10

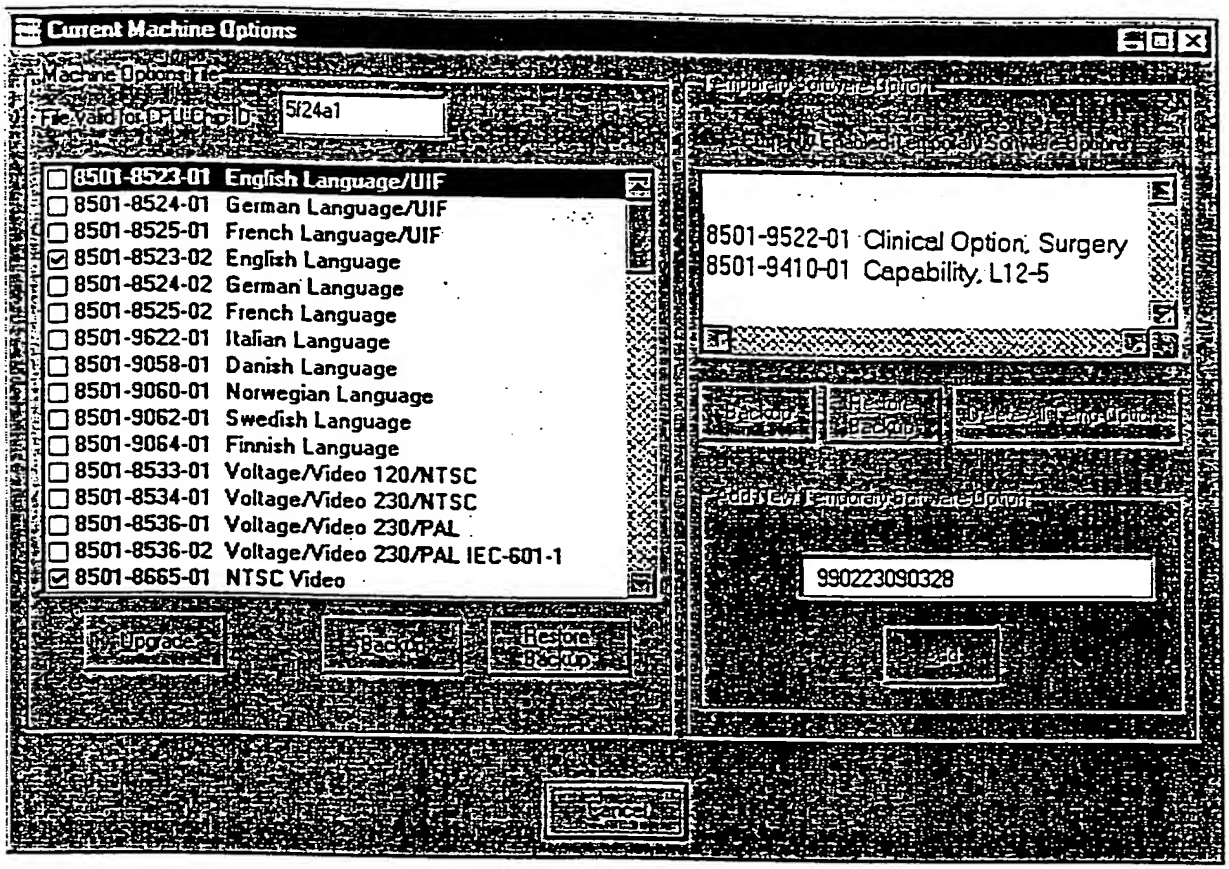

Current Machine Options
Machine Options File
5f24a1
8501-8523-01 English Language/UIF
8501-8524-01 German Language/UIF
8501-8525-01 French Language/UIF
8501-8523-02 English Language
8501-8524-02 German Language
8501-8525-02 French Language
8501-9622-01 Italian Language
8501-9058-01 Danish Language
8501-9060-01 Norwegian Language
8501-9062-01 Swedish Language
8501-9064-01 Finnish Language
8501-8533-01 Voltage/Video 120/NTSC
8501-8534-01 Voltage/Video 230/NTSC
8501-8536-01 Voltage/Video 230/PAL
8501-8536-02 Voltage/Video 230/PAL IEC-601-1
8501-8665-01 NTSC Video
8501-9522-01 Clinical Option, Surgery
8501-9410-01 Capability, L12-5
990223090328
Upgrade
Backup
Restore Backup
Cancel

FIG. 12

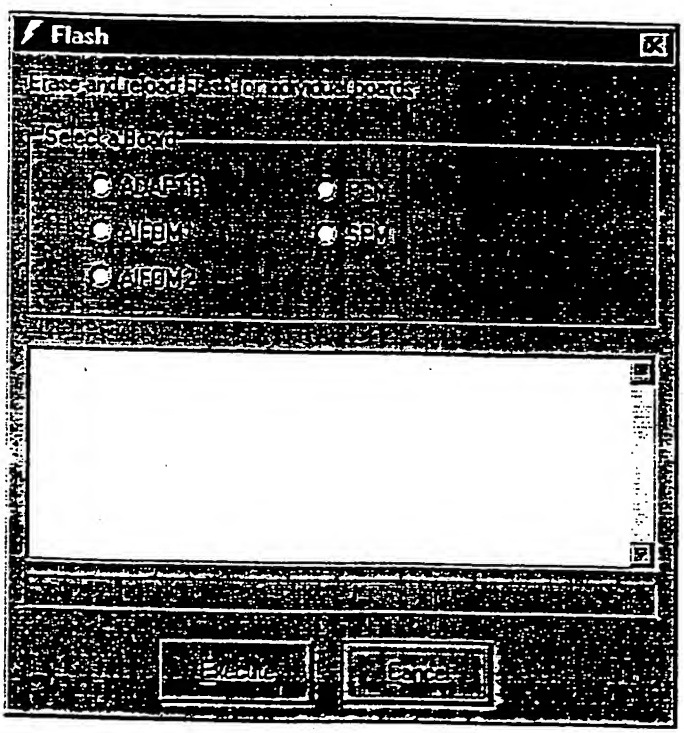

Flash
Select Board
Erase
Cancel

FIG. 13